

CLAIMS

1. A metallized-film capacitor comprising:

5 a dielectric film having a first film face and a second film face;
 a first deposited electrode covering the first film face;
 a second deposited electrode covering the second film face; and
 a first metallized contact and a second metallized contact
disposed on both end-faces of the dielectric film,

 wherein the first deposited electrode includes:

10 a first non-divisional electrode;
 a first divisional electrode separated by a first slit from the
first non-divisional electrode;
 a first fuse for coupling the first divisional electrode to the
first non-divisional electrode;

15 wherein the second deposited electrode includes:

 a second non-divisional electrode;
 a second divisional electrode separated by a second slit from
the second non-divisional electrode;
 a second fuse for coupling the second divisional electrode to
20 the second non-divisional electrode;

 wherein the first non-divisional electrode overlaps the second
divisional electrode, and the second non-divisional electrode overlaps the first
divisional electrode.

25 2. The metallized-film capacitor of claim 1, wherein

 the first metallized contact is coupled to the first electrode at a
first end of the dielectric film, and the second metallized contact is coupled to

the second electrode face at a second end of the dielectric film,

the metallized-film capacitor further comprising:

a first insulation margin occupying an end of the first film face and being adjacent to the second metallized contact; and

5 a second insulation margin occupying an end of the second film face and being adjacent to the first metallized contact,

wherein the first metallized contact is coupled to the first non-divisional electrode, and the second metallized contact is coupled to the second non-divisional contact.

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3. The metallized-film capacitor of claim 2, wherein the first slit and the second slit are located at a place where the slits overlap each other.

4. The metallized-film capacitor of claim 2, wherein the first slit is
15 disposed in parallel to the first metallized contact, and the second slit is disposed in parallel to the second metallized contact,

wherein the first slit and the second slit are placed at a center of an area where the first deposited electrode overlaps the second deposited electrode.

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5. The metallized-film capacitor of claim 2, wherein a distance between the first metallized contact and the first slit is equal to or shorter than a distance between the first metallized contact and the second slit,

wherein a distance between the second metallized contact and
25 the second slit is equal to or shorter than a distance between the second metallized contact and the first slit.

6. The metallized-film capacitor of claim 2, wherein an entire face of the first non-divisional electrode overlaps the second divisional electrode, and an entire face of the second non-divisional electrode overlaps the first divisional electrode.

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7. The metallized-film capacitor of claim 2, wherein at least one of the first divisional electrode and the second divisional electrode forms a lattice-like divisional electrode.

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8. The metallized-film capacitor of claim 2, wherein the first non-divisional electrode includes a section having a thicker electrode film at a place coupled to the first metallized contact, or the second non-divisional electrode includes a section having a thicker electrode film at a place coupled to the second metallized contact.

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9. The metallized-film capacitor of claim 2 further comprising another dielectric film, wherein the first deposited electrode is formed on the dielectric film, and the second deposited electrode is formed on the another dielectric film, and the dielectric film and the another dielectric film are laminated together.

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10. The metallized-film capacitor of claim 2 further comprising another dielectric film, wherein the first deposited electrode is formed on the first film face of the dielectric film, and the second deposited electrode is formed on the second film face of the dielectric film, and the dielectric film and the another dielectric film are laminated together.

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11. The metallized-film capacitor of claim 1, wherein at least one of the

first deposited electrode and the second deposited electrode is separated by at least one insulation margin into plural sections having different voltages from each other, and plural unit-capacitors are coupled to each other in series.

5 12. The metallized-film capacitor of claim 11, wherein the first deposited electrode includes:

 a third non-divisional electrode coupled to the first metallized contact;

 a third divisional electrode separated by a second slit from the
10 first non-divisional electrode;

 a third fuse for coupling the third divisional electrode to the third non-divisional electrode;

 a fourth non divisional electrode coupled to the second metallized contact;

15 a fourth divisional electrode separated by a fourth slit from the fourth non-divisional electrode; and

 a fourth fuse for coupling the fourth divisional electrode to the fourth non-divisional electrode,

 wherein the third divisional electrode is disposed away from the
20 fourth divisional electrode; and

 wherein the third non-divisional electrode and the fourth non-divisional electrode overlap a divisional electrode of the second deposited electrode.

25 13. The metallized-film capacitor of claim 12, wherein the third divisional electrode is separated from the fourth divisional electrode by an insulation margin disposed at a center of the first deposited electrode.

14. The metallized-film capacitor of claim 12, wherein the second deposited electrode includes insulation margins adjacent respectively to the first metallized contact and the second metallized contact, and divisional electrodes adjacent to each one of the insulation margins.

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15. The metallized-film capacitor of claim 12, wherein the capacitor includes a second slit at respective centers of the first non-divisional electrode and the third divisional electrode, and a fourth slit at respective centers of the fourth non-divisional electrode and the fourth divisional electrode.

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16. The metallized-film capacitor of claim 12, wherein the third non-divisional electrode includes a section having a thicker electrode film at a place coupled to the first metallized contact, or the fourth non-divisional electrode includes a section having a thicker electrode film at a place coupled to the second metallized contact.

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17. The metallized-film capacitor of claim 1 wherein the metallized-film capacitor is used as a smoothing capacitor employed in an inverter controlling device.

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18. The metallized-film capacitor of claim 17, wherein the inverter controlling device controls a rotation speed of an electric motor mounted in a car.

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19. The metallized-film capacitor of claim 11 wherein the metallized-film capacitor is used as a smoothing capacitor employed in an inverter controlling device.

20. The metallized-film capacitor of claim 19, wherein the inverter controlling device controls a rotation speed of an electric motor mounted in a car.